Super Seniors

Matthew Granado- Export functionality, many-to-many relationship models

Victor Pang- Export functionality, many-to-many relationship models

Benjamin Harris- GAE models, import functionality

Jonathan Chen- GAE models, import functionality

Rohan Shah- User Interface

Elizabeth Hayden- User Interface

Import and Export

- Our application can import an XML instance based on the XML schema provided.

- The application takes an XML instance and creates a relational database which we then use to build the individual pages

- A user can export information from the database in the form of XML

- Demonstration

Site Navigation

- The front page contains links to navigation pages for crises, people, and organizations

- Each navigation page lists all of the pages that have been imported

- The navigation bar links to an import/export page.

- The import link allows the user to locate a file on their computer and the Import button tells the application to import the XML instance and add it to our database

- The export link allows the user to select a page and export the information into an XML instance

- Demonstration: http://jontitan-cs373-wc.appspot.com/

Search

- On import we build a text file that caches the data from the website

- We put the text file on the blobstore

- When a user searches, we retrieve the text file from the blobstore and search it using python's built in Boyer-Moore search

- Then we sort matches based on exact match, "AND" match, and "OR" match

- Then we redirect to a results page that displays the results

- Demonstration

Unit Tests

- We used GAEUnit for our unit tests and automated their creation so they can test newly imported files

- Created methods to test that each page was properly rendered

- Created a class, ModelTest, which included methods to test each of the GAE models

- Tested that the import process properly created a GAE model

- We implemented performance testing using the GAE admin console which displays what percentage of our resources are being used

- We used the GAE admin console to see what resources are bottlenecks so that we could attempt to make the application run faster

- Demonstration

Issue Tracker

- Show the issue tracker

- Total issues

- Resolved Issues

- Unresolved Issues

Critique of our website

- <u>What we did well:</u> The organization of our webpage is good. All functions are easily found and accessible The individual article pages are nicely organized.

- <u>What we learned:</u> We learned how to create an app using data models in GAE. We also learned how to create a webpage using bootstrap. We learned how to dynamically import data from xml files as well as dynamically build xmls from our data using Django templates.

- <u>What we can do better:</u> The way the main topic pages (listing Crises, Organizations, People) are currently formatted, when they are populated with many articles it may take the user a while to scroll and find the article they're looking for. This mainly has to do with the size of the picture associated with each topic. We could have handled Nonetype objects in the import function more efficiently.

- <u>What still puzzles us:</u> Merge import still puzzles us a bit. If all instances of data are slightly different, there is no way to check

Critique of That Group

- <u>What they did well:</u> It's easy to find the article you're looking for. It is a cleverly designed site made to mimic IMDB's website. The associated links to social media and external references is readily available since they are placed at the top of each article.

- <u>What we learned:</u> We learned how various people and organizations are linked to world crises.

- <u>What they can do better:</u> A lot of information is still missing on each page. The pages are plain and to not have much content. A better design should be incorporated to make each page look more appealing. The import and export functions currently do not work.

- <u>What still puzzles us:</u> On each page there is a box on the right side that, presumably, will link to related crises/orgs/people, but there are already links at the bottom of the page. What is the purpose of this box? The import says it is successful, but no articles are added.